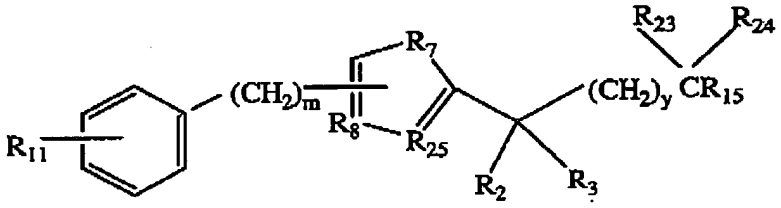
Claims:

A complete list of all claims under examination is set out below. Please cancel claims 1-10, 21, 23-25; 29, 30, 32 and 33; amend claims 11, 16, 19, 20, 22, 26-28 and 31, and add claims 34-43 as follows:

1 – 10. (Cancelled)

11. (Amended) The compound of claim 34 ~~claim 1 wherein the compound is~~ represented by the formula:



wherein

R_{11} is selected from the group consisting of C_5-C_{12} alkyl, C_5-C_{12} alkoxy, C_5-C_{12} alkenyl, and C_5-C_{12} alkynyl;

R_7 and R_8 are independently selected from the group consisting of O, S, CHR_{26}, CHR_{26}, NR_{26}, and N;

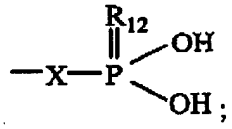
wherein R_{26} is H, F or C_1-C_4 alkyl;

R_{25} is N or CH;

R_2 is NH_2;

R_3 is selected from the group consisting of H, C_1-C_4 alkyl, (C_1-C_4 alkyl)OH, and (C_1-C_4 alkyl)NH_2;

R_{15} is selected from the group consisting of hydroxy, phosphonate, and



wherein X and R_{12} are independently ~~is~~ selected from the group consisting of O and S;

R_{23} is selected from the group consisting of H, F, OH, C_1-C_4 alkyl, CO_2H and C_1-C_4 alkyl;

R_{24} is selected from the group consisting of H, F, C_1-C_4 alkyl and PO_3H_2, or R_{23} together with R_{24} and the carbon to which they are attached form a carbonyl group; and

y and m are integers independently ranging from 0 to 4;

or a pharmaceutically acceptable salt or tautomer thereof.

12. (Original) The compound of claim 11 wherein

m is 0;

y is 0 or 1;

R_{25} is CH;

R_{23} is H or F; and

R_{24} is selected from the group consisting of H, F and C_1-C_4 alkyl.

13. (Original) The compound of claim 11 wherein R_3 is selected from the group consisting of C_1-C_3 alkyl and (C_1-C_4 alkyl)OH.

14. (Original) The compound of claim 12 or 13 wherein

R_7 is NH; and

X is O;

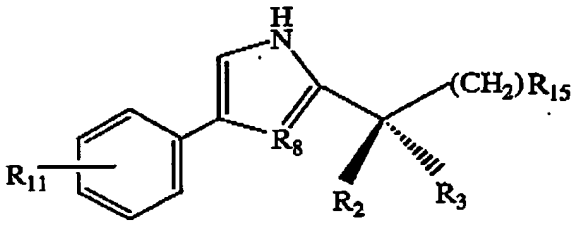
or a pharmaceutically acceptable salt or tautomer thereof.

15. (Original) The compound of claim 14 wherein

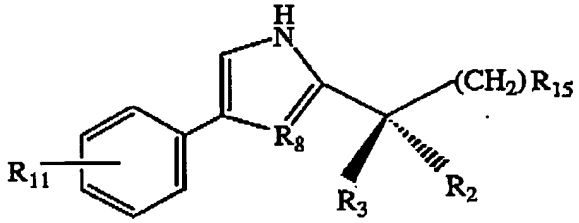
y is 0; and

R_{15} is OH.

16. (Amended) The compound of claim 13 ~~wherein the compound is~~ represented by the formula:



or

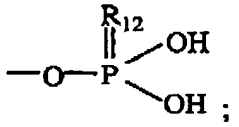


wherein R_{11} is C_5-C_{18} alkyl, C_5-C_{12} alkoxy, or C_5-C_{18} alkenyl; and

R_8 is N;

or a pharmaceutically acceptable salt or tautomer thereof.

17. (Original) The compound of claim 16 wherein R_{15} is selected from the group consisting of hydroxy and



wherein R_{12} is O or S;

or a pharmaceutically acceptable salt or tautomer thereof.

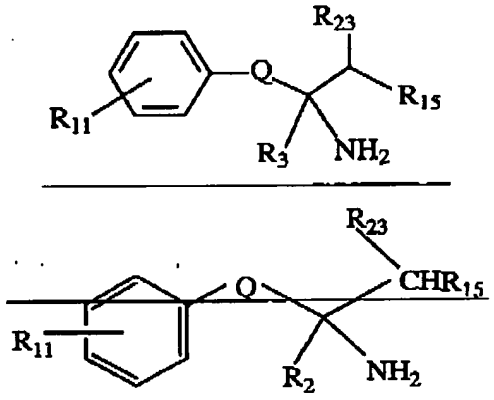
18. (Original) The compound of claim 17 wherein R_{11} is C_5-C_9 alkyl;

R_{15} is OH and

R_3 is selected from the group consisting of CH_3, CH_2CH_3, CH_2OH, CH_2CH_2OH and $CH_2CH_2CH_2OH$.

19. (Amended) A composition comprising a compound of claim [[1, 2, 6, 8]] 34, 11 or 16 and a pharmaceutically acceptable carrier.

20. (Amended) A pharmaceutical composition comprising a compound represented by the formula:



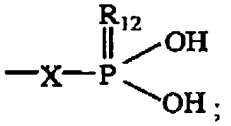
wherein R_{11} is C_5-C_{18} alkyl C_5-C_{12} alkoxy or C_5-C_{18} alkenyl;

Q is selected from the group consisting of C_3-C_6 optionally substituted cycloalkyl, C_3-C_6 optionally substituted heterocyclic, C_3-C_6 optionally substituted aryl, C_3-C_6 optionally substituted heteroaryl and -NH(CO)-;

[[R_2]] R_3 is selected from the group consisting of H, C_1-C_4 alkyl and (C_1-C_4 alkyl)OH;

R_{23} is H or C_1-C_4 alkyl, and

R_{15} is selected from the group consisting of hydroxy, phosphonate, and



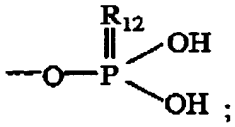
wherein X and R_{12} are independently ~~is~~ selected from the group consisting of O and S;

or a pharmaceutically acceptable salt or tautomer thereof and

a pharmaceutically acceptable carrier.

21. (Cancelled)

22. (Amended) The composition of claim [[21]] 38 wherein R_{15} is selected from the group consisting of hydroxy and

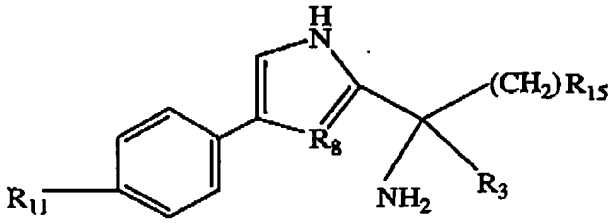


wherein R_{12} is O or S.

23. - 25. (Cancelled)

26. (Amended) The method of claim 36 ~~claim 25~~ further comprising the step of administering a second immuno-modulatory agent selected from the group consisting of cyclosporine, tacrolimus, rapamycin, azathioprine, and corticosteroids ~~such as prednisolone and prednisone~~.

27. (Amended) The method of claim 36 ~~claim 25~~ wherein the compound has the general formula:

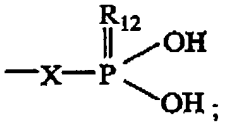


wherein R_{11} is selected from the group consisting of C_1-C_{22} alkyl, C_5-C_{12} alkoxy, C_2-C_{22} alkenyl and C_2-C_{22} alkynyl;

R_3 is selected from the group consisting of NH_2, OH, C_1-C_6 alkyl, (C_1-C_4 alkyl)OH, -(C_1-C_4 alkyl)NH_2, (C_1-C_4 alkyl)aryl(C_0-C_4 alkyl) and (C_1-C_4 alkyl)aryloxyaryl(C_0-C_4 alkyl);

R_8 is selected from the group consisting of O, S and N.

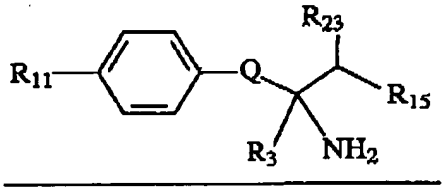
R_{15} is selected from the group consisting of hydroxy, phosphonate, and

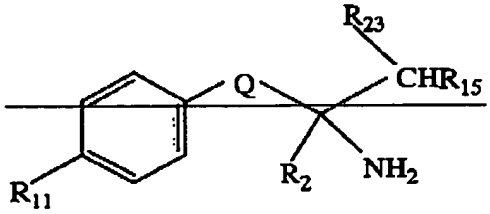


wherein R_{12} is selected from the group consisting of O, NH and S; and

X is selected from the group consisting of O, NH and S; or a pharmaceutically acceptable salt or tautomer thereof.

28. (Amended) A method of promoting wound healing in a warm blooded vertebrate, said method comprising the step of administering a composition comprising a [[a]] compound of the general structure:





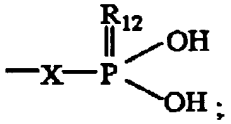
wherein R_{11} is C_5-C_{18} alkyl, C_5-C_{12} alkoxy, or C_5-C_{18} alkenyl;

Q is selected from the group consisting of C_3-C_6 optionally substituted cycloalkyl, C_3-C_6 optionally substituted heterocyclic, C_3-C_6 optionally substituted aryl, C_3-C_6 optionally substituted heteroaryl and -NH(CO)-;

[[R_2]] R_3 is selected from the group consisting of H, C_1-C_4 alkyl and (C_1-C_4 alkyl)OH;

R_{23} is H or C_1-C_4 alkyl, and

R_{15} is selected from the group consisting of hydroxy, phosphonate, and



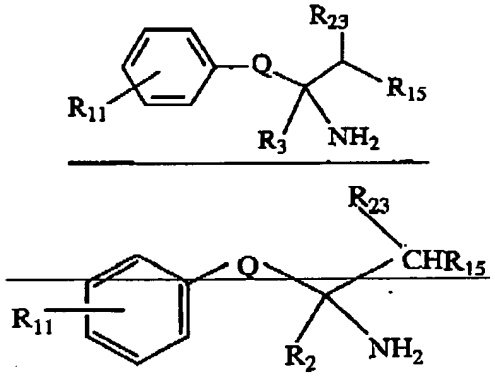
wherein X and R_{12} are independently ~~is~~ selected from the group consisting of O and S;

or a pharmaceutically acceptable salt or tautomer thereof.

29. (Cancelled)

30. (Cancelled)

31. (Amended) A method for treating a patient suffering from a disease associated with abnormal cell growth, said method comprising the steps of administering a [[a]] compound of the general structure:



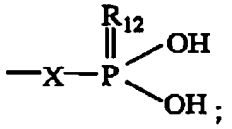
wherein R_{11} is located in the meta or para position and is selected from the group consisting of C_5-C_{18} alkyl and C_5-C_{18} alkenyl;

Q is selected from the group consisting of C_3-C_6 optionally substituted cycloalkyl, C_3-C_6 optionally substituted heterocyclic, C_3-C_6 optionally substituted aryl C_3-C_6 optionally substituted heteroaryl and -NH(CO)-;

R_3 [[R_2]] is selected from the group consisting of H, C_1-C_4 alkyl and (C_1-C_4 alkyl)OH;

R_{23} is H or C_1-C_4 alkyl, and

R_{15} is selected from the group consisting of hydroxy, phosphonate, and



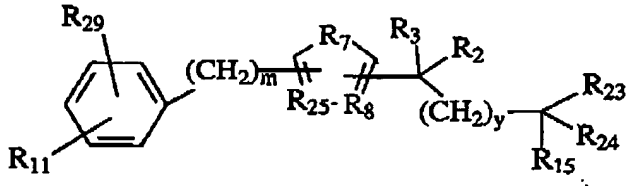
wherein X and R_{12} are independently is selected from the group consisting of O and S;

or a pharmaceutically acceptable salt or tautomer thereof.

32. (Cancelled)

33. (Cancelled)

34. (New) A compound represented by the formula:



wherein

R_{11} is selected from the group consisting of C_5-C_{12} alkyl, C_5-C_{12} alkenyl, C_5-C_{12} alkynyl, C_5-C_{12} alkoxy, $(CH_2)_pO(CH_2)_q$, C_5-C_{10} (aryl)R_{20}, C_5-C_{10} (heteroaryl)R_{20}, C_5-C_{10} (cycloalkyl)R_{20}, C_5-C_{10} alkoxy(aryl)R_{20}, C_5-C_{10} alkoxy(heteroaryl)R_{20} and C_5-C_{10} alkoxy(cycloalkyl)R_{20};

wherein R_{20} is H or C_1-C_{10} alkyl;

R_{29} is H or halo;

R_2 is NH_2;

R_3 is selected from the group consisting of H, C_1-C_6 alkyl, (C_1-C_4 alkyl)OH, and (C_1-C_4 alkyl)NH_2;

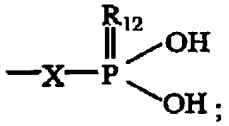
R_{23} is selected from the group consisting of H, F, NH_2, OH, CO_2H, C_1-C_6 alkyl, (C_1-C_4 alkyl)OH, and (C_1-C_4 alkyl)NH_2;

R_{24} is selected from the group consisting of H, F and PO_3H_2, or R_{23} together with R_{24} and the carbon to which they are attached form a carbonyl group;

R_{25}, R_7, and R_8 are independently selected from the group consisting of O, S, CHR_{26}, CR_{26}, NR_{26}, and N;

wherein R_{26} is H, F or C_1-C_4 alkyl;

R_{15} is selected from the group consisting of hydroxy, phosphonate, and



;

wherein R_{12} is selected from the group consisting of O, NH and S;

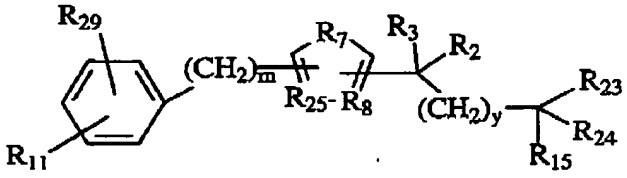
X is selected from the group consisting of O, NH and S;

y and m are integers independently ranging from 0 to 4;

p and q are integers independently ranging from 1 to 10;

or a pharmaceutically acceptable salt or tautomer thereof.

35. (New) A method for modulating the activity of an S1P receptor, said method comprising contacting said receptor with a compound represented by the formula:



wherein

R_{11} is selected from the group consisting of C_1-C_{12} alkyl, C_2-C_{12} alkenyl, C_2-C_{12} alkynyl, C_5-C_{12} alkoxy, $(CH_2)_pO(CH_2)_q$, C_5-C_{10} (aryl)R_{20}, C_5-C_{10} (heteroaryl)R_{20}, C_5-C_{10} (cycloalkyl)R_{20}, C_5-C_{10} alkoxy(aryl)R_{20}, C_5-C_{10} alkoxy(heteroaryl)R_{20} and C_5-C_{10} alkoxy(cycloalkyl)R_{20};

wherein R_{20} is H or C_1-C_{10} alkyl;

R_{29} is H or halo;

R_2 is NH_2;

R_3 is selected from the group consisting of H, C_1-C_6 alkyl, (C_1-C_4 alkyl)OH, and (C_1-C_4 alkyl)NH_2;

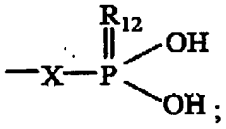
R_{23} is selected from the group consisting of H, F, CO_2H, OH, C_1-C_6 alkyl, (C_1-C_4 alkyl)OH, and (C_1-C_4 alkyl)NH_2;

R_{24} is selected from the group consisting of H, F and PO_3H_2, or R_{23} together with R_{24} and the carbon to which they are attached form a carbonyl group;

R_{25}, R_7 and R_8 are independently selected from the group consisting of O, S, CHR_{26}, CR_{26}, NR_{26}, and N;

wherein R_{26} is H, F or C_1-C_4 alkyl;

R_{15} is selected from the group consisting of hydroxy, phosphonate, and



wherein R_{12} is selected from the group consisting of O, NH and S;

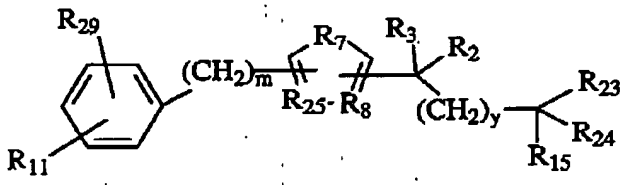
X is selected from the group consisting of O, NH and S;

y and m are integers independently ranging from 0 to 4;

p and q are integers independently ranging from 1 to 10;

or a pharmaceutically acceptable salt or tautomer thereof.

36. (New) A method of providing immuno-modulation to a patient in need thereof, said method comprising the step of administering to said patient a composition comprising a compound represented by the formula:



wherein

R_{11} is selected from the group consisting of C_1-C_{18} alkyl, C_2-C_{18} alkenyl, C_2-C_{18} alkynyl, C_5-C_{18} alkoxy, $(CH_2)_pO(CH_2)_q$, C_5-C_{10} (aryl)R_{20}, C_5-C_{10} (heteroaryl)R_{20}, C_5-C_{10} (cycloalkyl)R_{20}, C_5-C_{10} alkoxy(aryl)R_{20}, C_5-C_{10} alkoxy(heteroaryl)R_{20} and C_5-C_{10} alkoxy(cycloalkyl)R_{20};

wherein R_{20} is H or C_1-C_{10} alkyl;

R_{29} is H or halo;

R_2 is NH_2;

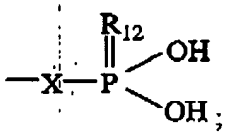
R_3 is selected from the group consisting of H, C_1-C_6 alkyl, (C_1-C_4 alkyl)OH, and (C_1-C_4 alkyl)NH_2;

R_{24} is selected from the group consisting of H, F and PO_3H_2, or R_{23} together with R_{24} and the carbon to which they are attached form a carbonyl group;

R_{25}, R_7 and R_8 are independently selected from the group consisting of O, S, CHR_{26}, CR_{26}, NR_{26}, and N;

wherein R_{26} is H, F or C_1-C_4 alkyl;

R_{15} is selected from the group consisting of hydroxy, phosphonate, and

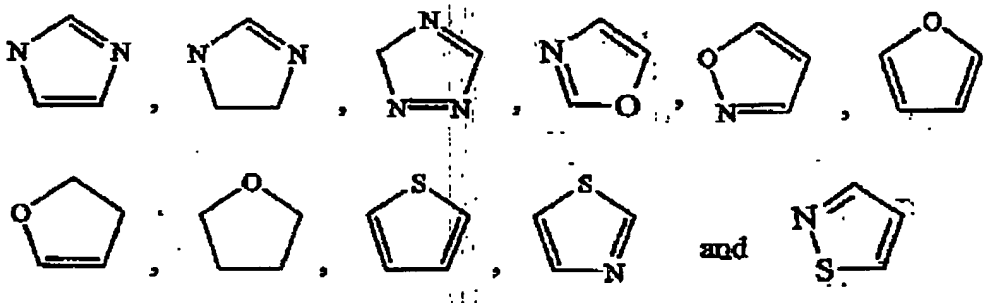


wherein R_{12} is selected from the group consisting of O, NH and S;

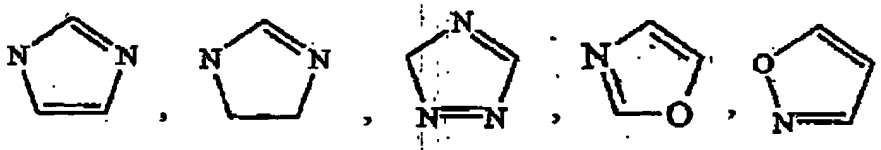
X is selected from the group consisting of O, NH and S;
y and m are integers independently ranging from 0 to 4;
p and q are integers independently ranging from 1 to 10;
or a pharmaceutically acceptable salt or tautomer thereof.

37. (New) The method of claim 26 wherein the corticosteroids is prednisolone or prednisone.

38. (New) The composition of claim 20 wherein Q is selected from the group consisting of

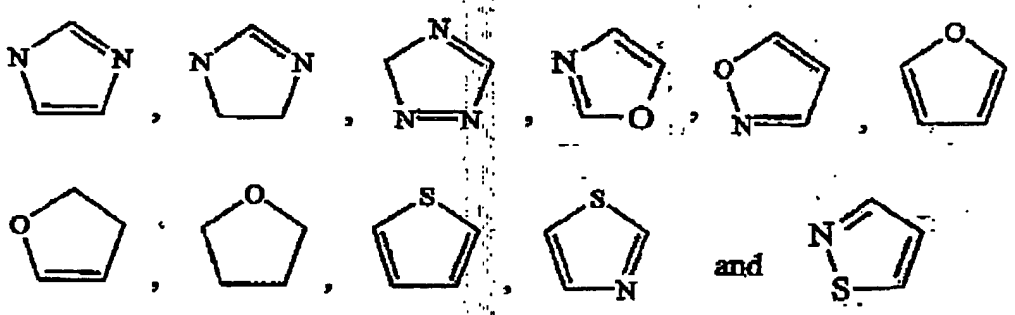


39. (New) The composition of claim 22 wherein Q is selected from the group consisting of

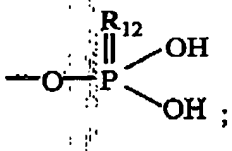

, and

R_{15} is OH;
or a pharmaceutically acceptable salt or tautomer thereof.

40. (New) The method of claim 28 wherein Q is selected from the group consisting of -NH(CO)-,

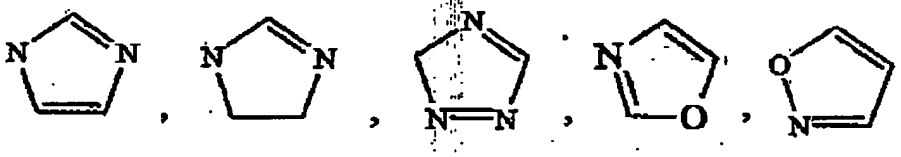


and R_{15} is selected from the group consisting of hydroxy and



wherein R_{12} is O or S.

41. (New) The method of claim 40 wherein Q is selected from the group consisting of

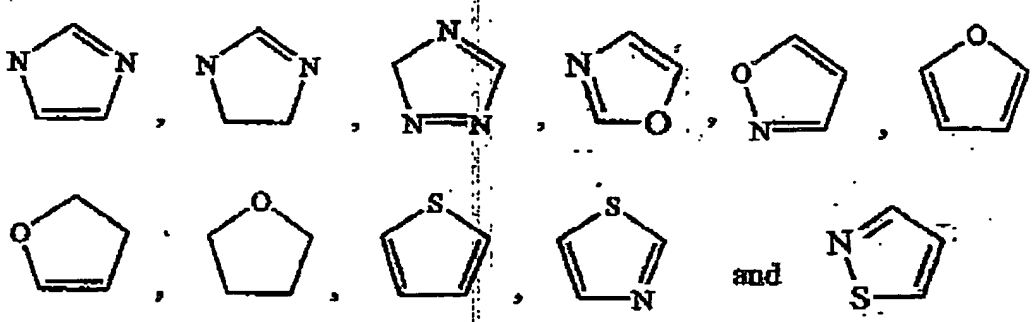


, and

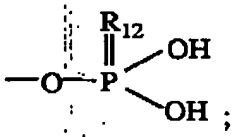
R_{15} is OH;

or a pharmaceutically acceptable salt or tautomer thereof.

42. (New) The method of claim 31 wherein Q is selected from the group consisting of -NH(CO)-;



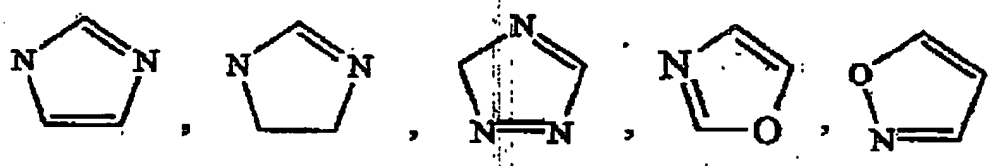
and R_{15} is selected from the group consisting of hydroxy and



wherein R_{12} is O or S.

43. (New) The method of claim 42 wherein

Q is selected from the group consisting of



, and

R_{15} is OH;

or a pharmaceutically acceptable salt or tautomer thereof.

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